

## ABSTRACT

The invention relates to a method for the regeneration of a particulate filter (7) arranged on an exhaust line (5) of an engine (3) of a motor vehicle (1), wherein the charge of said filter (7) is evaluated by means of a model wherein  $P = f(Q_{vol}, \text{soot mass})$ , and  $P = P_{up} - P_{down}$ , and  $Q_{vol} = K * (Q_{air} + p_{fuel} * Q_{carb}) * N * T_{up} / P_{up}$ , or  $P_{up}$  et  $P_{down}$  are the pressures measured respectively upstream and downstream from said particulate filter (7). The inventive method is characterized in that  $P_{down}$  is modelled and in that  $P_{up}$  is determined by means of the relation  $P_{up} = P + P_{down}$ .